



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Daniel Alvarez; Arjen Boers; Toerless Eckert; Ijsbrand Wijnands
Assignee: Cisco Technology, Inc.
Title: PIM SPARSE MODE TO SOURCE SPECIFIC
MULTICAST CONVERSION
Application No.: 10/777,601 Filing Date: February 12, 2004
Examiner: Unassigned Group Art Unit: 2661
Docket No.: CIS0208US Confirmation No.: 4921

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POWER OF ATTORNEY

BY ASSIGNEE OF ENTIRE INTEREST

Sir:

The above-identified assignee, a California corporation, hereby revokes all powers of attorney previously given and appoints the attorney(s) and/or agent(s) identified by the following attorneys to prosecute the above-identified application and to transact all business in the United States Patent and Trademark Office in connection therewith:

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ASSIGNEE CERTIFICATION UNDER 37 CFR 3.73(B)

The undersigned representative of the above-identified assignee certifies that the above-identified assignee is the assignee of the entire right, title and interest in the above-identified patent application by virtue of a chain of title from the inventor(s) of the above-identified patent application to the above-identified assignee as shown below:

The document was recorded in the Patent and Trademark Office at Reel 014986, Frame 0034.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the above-identified assignee.

DEC 17 2004

Date

ROBERT BARR

Vice President of Intellectual Property
and Worldwide Patent Counsel